AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows. This listing of claims will replace all prior listings.

1. (CURRENTLY AMENDED) A ~~valve assembly for a~~ mix head assembly of a molding system comprising:

a mix head comprising an inlet to a mixer section and an outlet from said mixer section;

an input port to a passage;

a plurality of adjacent sequentially activatable valves in communication ~~communicating~~ with said passage to selectively suppress a flow of fluid through said passage; and

an output port from said passage in communication with said inlet to said mix head.

2. (CURRENTLY AMENDED) The assembly as recited in claim 1, further including a controller to sequentially activate said plurality of sequentially activatable valves to meter an initial flow of the fluid.

3. (CURRENTLY AMENDED) The assembly as recited in claim 2, wherein said controller activates each of said plurality of adjacent sequentially activatable valves in response to a predetermined pressure.

4. (CURRENTLY AMENDED) The assembly as recited in claim 1, wherein each of said plurality of adjacent sequentially activatable valves include a spring bias.

5. (CURRENTLY AMENDED) The assembly as recited in claim 1, wherein each of said plurality of adjacent sequentially activatable valves include a spring bias toward an open position.

6. (CURRENTLY AMENDED) The assembly as recited in claim 1, further including a pneumatic actuator to selectively activate each of said plurality of adjacent sequentially activatable valves in a sequential manner.

7. (CURRENTLY AMENDED) The assembly as recited in claim 1, wherein each of said plurality of adjacent sequentially activatable valves define a longitudinal axis, each of said plurality of adjacent sequentially activatable valves providing an opening transverse to the longitudinal axis and alignable with said passage.

8. (CURRENTLY AMENDED) The assembly as recited in claim 1, wherein said plurality of adjacent sequentially activatable valves includes a first valve, a second valve and a third valve, each of said valves defining a longitudinal axis substantially transverse to said passage.

9. (ORIGINAL) The assembly as recited in claim 8, wherein said first valve is adjacent said input port.

10. (CURRENTLY AMENDED) The assembly as recited in claim 8, wherein said first valve includes a first ~~aperture~~ opening, said second valve includes a second ~~aperture~~ opening, and said third valve includes a third ~~aperture~~ opening.

11. (CURRENTLY AMENDED) The assembly as recited in claim 10, wherein said second ~~aperture~~ opening sized to be larger than said first ~~aperture~~ opening and said third ~~aperture~~ opening sized to be larger than said second ~~aperture~~ opening.

12. (CURRENTLY AMENDED) The assembly as recited in claim 10, wherein said plurality of sequentially activatable valves provide an open position wherein said first ~~aperture~~ opening is aligned with said passage and said second ~~aperture~~ opening and said third ~~aperture~~ opening are partially aligned with said passage.

13. (CANCELLED)

14. (CURRENTLY AMENDED) The assembly as recited in claim 10, wherein said plurality of sequentially activatable valves provide an open position wherein said first ~~aperture~~ opening is

aligned with said passage, said second ~~aperture opening~~ is aligned with said passage and said third ~~aperture opening~~ is partially aligned with said passage.

15. (CANCELLED)

16. (CURRENTLY AMENDED) The assembly as recited in claim 10, wherein said plurality of sequentially activatable valves provide an open position wherein said first ~~aperture opening~~, second ~~aperture opening~~ and said third ~~aperture opening~~ are aligned with said passage.

17. (CURRENTLY AMENDED) A molding system comprising:

a mix head ~~comprising an inlet to a mixer section and an outlet from said mixer section~~ assembly;

an input port to a passage, said input port communicating with a feed assembly;

a plurality of adjacent sequentially activatable valves each defining a longitudinal axis, each of said plurality of adjacent sequentially activatable valves include an opening transverse to the longitudinal axis and alignable with said passage to selectively suppress a flow of fluid through said passage;

a bias adjacent each of said plurality of sequentially activatable valves to bias said valve toward an open position;

an actuator to selectively activate each of said plurality of adjacent sequentially activatable valves; and

an output port from said passage, said output port ~~communicating~~ in communication with said mix head assembly.

18. (CURRENTLY AMENDED) The system as recited in claim 17, further including a controller to sequentially activate said plurality of adjacent sequentially activatable valves to meter an initial flow of the fluid.

19. (CURRENTLY AMENDED) The system as recited in claim 18, wherein said controller activates each of said plurality of adjacent sequentially activatable valves in response to a predetermined pressure.

20. (CURRENTLY AMENDED) The system as recited in claim 18, wherein said plurality of adjacent sequentially activatable valves includes a first valve, a second valve and a third valve, said first valve adjacent said output port.

21. (CURRENTLY AMENDED) The system as recited in claim 20, wherein said first valve includes a first ~~aperture~~ opening, said second valve includes a second ~~aperture~~ opening, and said third valve includes a third ~~aperture~~ opening.

22. (CURRENTLY AMENDED) The system as recited in claim 21, wherein said second ~~aperture~~ opening sized to be larger than said first ~~aperture~~ opening and said third aperture sized to be larger than said second ~~aperture~~ opening.

23. (CANCELLED)

24. (CANCELLED)

25. (CANCELLED)

26. (CURRENTLY AMENDED) The assembly as recited in claim 1, wherein said plurality of adjacent sequentially activatable valves are located within a valve housing mounted adjacent said mix ~~section~~ head.

27. (CURRENTLY AMENDED) The assembly as recited in claim 26, further comprising a plurality of said valve housings mounted about a circumference of said mix head, each of said plurality of said valve housings ~~valve assemblies~~ communicating a fluid material into said mix ~~section~~ head assembly.

28. (CURRENTLY AMENDED) The system as recited in claim 17, wherein said plurality of adjacent sequentially activatable valves are located within a valve housing mounted adjacent said mix ~~section~~ head assembly.

29. (CURRENTLY AMENDED) The system as recited in claim 28, further comprising a plurality of said valve housings ~~valve assemblies~~ mounted about a circumference of said mix head assembly, each of said valve assemblies communicating a fluid material to said mix section.

30. (CURRENTLY AMENDED) The assembly as recited in claim 1, wherein said plurality of adjacent sequentially activatable valves intersect said passage in a substantially perpendicular orientation.

31. (CURRENTLY AMENDED) The system as recited in claim 17, wherein said plurality of adjacent sequentially activatable valves intersect said passage in a substantially perpendicular orientation.

32. (NEW) A molding system comprising:

a mix head assembly having an outlet;

an input port to a passage defined within a valve housing, said passage generally transverse to said outlet;

a plurality of adjacent sequentially activatable valves within said valve housing, each of said plurality of adjacent sequentially activatable valves defining a longitudinal axis transverse to said passage and an opening alignable with said passage;

a bias adjacent each of said plurality of adjacent sequentially activatable valves to bias said valve toward an open position in which each of said openings are in alignment with said passage;

an actuator to selectively activate each of said plurality of sequentially activatable valves;

an output port from said passage, said output port in communication with said mix head assembly; and

a controller in communication with said actuator to sequentially activate said plurality of adjacent sequentially activatable valves to meter an initial flow of a fluid material to selectively suppress a flow of fluid material through said passage and into said mix head assembly.

33. (NEW) The system as recited in claim 32, wherein said plurality of sequentially activatable valves includes a first valve, a second valve and a third valve, said first valve includes a first opening, said second valve includes a second opening, and said third valve includes a third opening, said second opening sized to be larger than said first opening and said third opening sized to be larger than said second opening.

34. (NEW) The system as recited in claim 32, wherein said valve housing is mounted to said mix head assembly.

35. (NEW) The system as recited in claim 32, further comprising a plurality of said valve housings mounted about a circumference of said mix head, each of said valve housing communicating a distinct fluid material to said mix head assembly.

AMENDMENTS TO THE DRAWINGS:

Figure 1B is resubmitted to formally incorporate previous drawing amendments an update the drawings in accordance with the specification amendments.

Figures 2A-2D are resubmitted to more clearly indicate that each sequential valve includes an opening larger than the previous valve.

These drawings replace the previously filed drawings. No new matter has been added.